## **ABSTRACT**

1	
2	

3	A process for removing contaminants from the products of a Fischer-Tropsch
4	synthesis reaction, said contaminants comprising (i) particulates having an
5	effective diameter of greater than 1 micron and (ii) at least 5 ppm of aluminum
6	in aluminum-containing contaminants having an effective diameter of less
7	than 1 micron, said process comprising the steps of (a) passing the products
8	of the Fischer-Tropsch synthesis reaction through a first particulate removal
9	zone capable of removing particulates having an effective diameter of greater
10	than 1 micron; (b) collecting from the first particulate removal zone a
11	substantially particulate free Fischer-Tropsch feed stream containing 5 ppm or
12	more of aluminum in aluminum containing-contaminants having an effective
13	diameter of less than about 1 micron; (c) contacting the substantially
14	particulate free Fischer-Tropsch feed stream in up-flow mode with an
15	aluminum active catalyst in a guard-bed under aluminum activating
16	conditions, whereby a feed stream mixture is formed which comprises
17	aluminum-containing particles having an effective diameter of more than
18	1 micron in a Fischer-Tropsch hydrocarbon continuous phase; (d) passing the
19	feed stream mixture through a second particulate removal zone capable of
20	removing substantially all of the aluminum-containing particles formed in
21	step (c); and (e) recovering from the second particulate removal zone a
22	Fischer-Tropsch product containing less than about 5 ppm total aluminum.